

ABSTRAK

ANDRIANSYAH NURVIAN TO. Pengaruh Kombinasi Susu Kambing dan Susu Sapi Pada Kefir terhadap Viskositas dan Total Padatan. Penelitian dilaksanakan pada tanggal 12 Juli sampai dengan 22 Juli 2019 di Laboratorium Teknologi Hasil Ternak, Fakultas Peternakan, Universitas Jenderal Soedirman Purwokerto. Penelitian bertujuan untuk mengetahui pengaruh kombinasi susu kambing dan susu sapi pada kefir terhadap viskositas dan total padatan. Bahan penelitian yang digunakan terdiri dari susu kambing 9 liter, susu sapi 9 liter, dan biji kefir 300 gram. Metode penelitian yang digunakan adalah eksperimen dengan menggunakan Rancangan Acak Lengkap (RAL). Perlakuan pada penelitian ini terdiri dari P1 (1000 ml susu kambing), P2 (800 ml susu kambing + 200 ml susu sapi), P3 (600 ml susu kambing + 400 ml susu sapi), P4 (400 ml susu kambing + 600 ml susu sapi), P5 (200 ml susu kambing + 800 ml susu sapi), dan P6 (1000 ml susu sapi), setiap perlakuan diulang sebanyak 3 kali ulangan. Peubah yang diukur adalah viskositas dan total padatan. Data yang diperoleh dianalisis menggunakan analisis variansi dan dilanjutkan dengan uji beda nyata jujur (BNJ). Hasil penelitian menunjukkan bahwa kombinasi susu kambing dan susu sapi berpengaruh nyata ($P < 0,05$) terhadap viskositas dengan rata-rata 81,98 cP dan berpengaruh nyata ($P < 0,05$) terhadap total padatan dengan rata-rata 13,621 %. Kesimpulan bahwa kombinasi susu kambing dan susu sapi pada kefir dapat meningkatkan viskositas dan total padatan.

Kata kunci : susu kambing, susu sapi, kefir, viskositas, total padatan

ABSTRACT

ANDRIANSYAH NURVIANTO. The Effect of Combination Goat's Milk and Cow's Milk on Kefir to Viscosity and Total Solid. The research was conducted on July 12 until July 22, 2019 at Animal Production Technology Laboratory of Animal Husbandry of Jenderal Soedirman University Purwokerto. Study aims to determine the effect of combination goat's milk and cow's milk on kefir to viscosity and total solid. The research materials used consisted of 9 liters of goat milk, 9 liters of cow milk and 300 grams of kefir seed. The research method used is experimental method using Completely Randomized Design (CRD). The treatment in this study consisted of P1 (1000 ml goat milk), P2 (800 ml goat milk + 200 ml cow milk), P3 (600 ml goat milk + 400 ml cow milk), P4 (400 ml goat milk + 600 ml cow milk), P5 (200 ml goat milk + 800 ml cow milk), and P6 (1000 ml cow milk), each treatment was repeated 3 times replications. The parametes measured were viscosity and total solid. Data were analyzed using analysis of variance and continued by Tukey's Honestly Significant Difference. The results showed that difference of combination goat's milk and cow's milk significantly ($P < 0,05$) to viscosity with average 81,98 cP, and significantly ($P < 0,05$) to total solid with average 13,621 %. The conclusion of this study the effect of combination goat's milk and cow's milk on kefir can increase viscosity and total solid.

Keywords : goat's milk, cow's milk, kefir, viscosity, total solid